Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division
Draft Tender Schedule for Approval
Name of Work: Package -1

Sl No.	Name of work	Estimate Cost, Lakhs
1	Improvement of drains and resurfacing to roads in SFS 208 area in ward no.03, Attur	150.00
2	Improvement of drains and resurfacing to roads in SFS 407 area in ward no.03, Attur	150.00
3	Improvement of drains and resurfacing to roads in SFS 707 area in ward no.03, Attur	150.00
4	Improvements of drains and resurfacing to roads in Industrial area in ward No. 03, Attur	150.00
5	Improvements of roads and drains in CHS 707 area in ward No. 03, Attur	150.00
	Total Cost of the Project, Lakh Rs	**750.00**

Sl No	Description of Item	Unit	Total Quantity	Rate, Rs	
				In Figures	In Words
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3). (Page No 25., I.No.5.33 of KPWD S.R 2016-17)	Sqm	14393.61	89.42	Rupees Eighty Nine And Paise Forty Two Only
2	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2016-17).	Sqm	5423.67	738.90	Rupees Seven Hundred Thirty Eight And Paise Ninety Only
3	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate	Sqm	1948.40	2100.00	Rupees Two Thousand One Hundred Only
4	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).	Cum	8309.46	196.48	Rupees One Hundred Ninety Six And Paise Forty Eight Only

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Sl No	Description of Item	Unit	Total Quantity	Rate, Rs	
				In Figures	In Words
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17	Cum	448.86	5937.12	Rupees Five Thousand Nine Hundred Thirty Seven And Paise Twelve Only
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.23/I.5.9)/ PWD SR 2016-17	Cum	67.54	5888.88	Rupees Five Thousand Eight Hundred Eighty Eight And Paise Eighty Eight Only
7	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.6 of PW, P&IWTD SR 2016-17)	Cum	9.65	6175.97	Rupees Six Thousand One Hundred Seventy Five And Paise Ninety Seven Only
8	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- (Data rate)	Sqm	160.80	5111.00	Rupees Five Thousand One Hundred Eleven Only
9	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. MORTH Specification No.301(P.No. 143, I.No. 19.14)	Sqm	4863.14	154.12	Rupees One Hundred Fifty Four And Paise Twelve Only

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Sl No	Description of Item	Unit	Total Quantity	Rate, Rs	
				In Figures	In Words
10	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No. 149, I.No. 19.64)	Sqm	13194.55	5.88	Rupees Five And Paise Eighty Eight Only
11	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechalcal mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).	Cum	3093.47	1848.44	Rupees One Thousand Eight Hundred Forty Eight And Paise Forty Four Only
12	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)	Cum	4991.07	1962.57	Rupees One Thousand Nine Hundred Sixty Two And Paise Fifty Seven Only
13	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/It No.21.6)	Sqm	37795.60	30.59	Rupees Thirty And Paise Fifty Nine Only
14	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)	Cum	1839.72	7903.22	Rupees Seven Thousand Nine Hundred Three And Paise Twenty Two Only

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Sl No	Description of Item	Unit	Total Quantity	Rate, Rs	
				In Figures	In Words
15	KSRRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)	Sqm	56359.65	12.94	Rupees Twelve And Paise Ninety Four Only
16	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)	Cum	2095.80	9011.58	Rupees Nine Thousand Eleven And Paise Fifty Eight Only
17	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (P.No. 138, I.No. 18.47)	Cum	566.32	918.92	Rupees Nine Hundred Eighteen And Paise Ninety Two Only
18	Construction of un-reinforced plain cement concrete KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No.12, I.No. 4.5)	Cum	424.74	6520.72	Rupees Six Thousand Five Hundred Twenty And Paise Seventy Two Only

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Sl No	Description of Item	Unit	Total Quantity	Rate, Rs	
				In Figures	In Words
19	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No. 22.7)	Sqm	2831.60	105.89	Rupees One Hundred Five And Paise Eighty Nine Only
20	Providing groove cutting for width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement (P.No.177, I.No. 22.7)	mtr	1040.50	135.31	Rupees One Hundred Thirty Five And Paise Thirty One Only
21	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)	Sqm	2007.00	602.42	Rupees Six Hundred Two And Paise Forty Two Only
22	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete (P.No-25, I No-5.30)	Nos	3520.00	368.28	Rupees Three Hundred Sixty Eight And Paise Twenty Eight Only
23	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)	Sqm	5250.00	70.60	Rupees Seventy And Paise Sixty Only

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Sl No	Description of Item	Unit	Total Quantity	In Figures	In Words
24	KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications.(P.No-189,I No-24.41)	Nos	1666.67	398.87	Rupees Three Hundred Ninety Eight And Paise Eighty Seven Only

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8/2/18

APPROVED

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